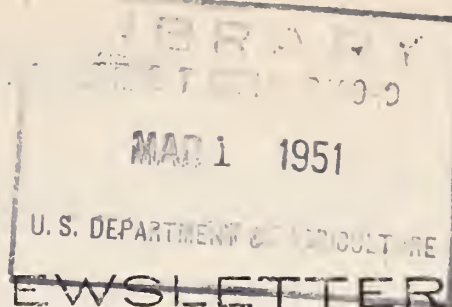
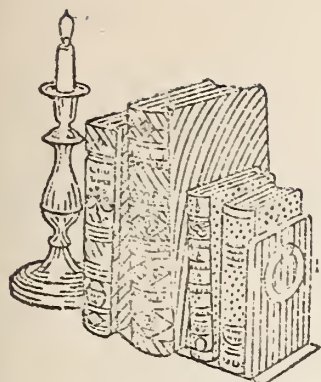


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# LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

Phone 6741 - Ext. 108

Vol. 9, Nos. 8 - 9

6/7

ALBUQUERQUE BRANCH

BOX 1348

Albuquerque, N. M.

220 East Central Ave.

Dec. 1950 - Jan. 1951

## BOOK-OF-THE-MONTH

For a number of years the Albuquerque Branch has been circulating books to FHA, FS and SCS field offices on a Book-of-the-Month plan.

Here's how the plan works. Each month (every six weeks for SCS offices) a selected book is sent to the office of the individual requesting the service. While the book is in the office it is suggested that any and all personnel be given an opportunity to read it. The book is to be returned to the library on or before the due date stamped on the slip inside the front cover.

The books are selected from the Branch collection. They are not the newer titles (these are in general circulation and usually have long reserve lists) but they are pertinent, interesting and readable.

The 1950 series have been completed and we are preparing circulation lists for 1951. If you wish to participate in this reading program please notify the library.

## PHOTOPRINT SERVICE

Photoprints, in lieu of loans, are now being supplied, on the same basis as they have heretofore been provided, to BPISAE, BEPQ, FCA and SCS employees. These bureaus have arranged for the lump sum service (Library Memorandum No. 8, paragraphs 4 and 5).

## TWO IMPORTANT BULLETINS

LITTLE, E. L., JR. Southwestern trees. A guide to the native species of New Mexico and Arizona. USDA Agr. Handbook No. 9, 109 p. 1950 1 Ag84Ah

PEARSON, G. A. Management of Ponderosa Pine in the Southwest. As developed by research and experimental practice. USDA Agr. Monog. No. 6, 218 p., ref. 1950 1.941 A5Ag8

CONSERVATION OF NATURAL RESOURCES\*

Edited by Guy-Harold Smith

Comments by E. L. Ferry, Information & Education Division U.S. Forest Service,  
Albuquerque, New Mexico

If you want the best recent book on natural resource conservation and have \$6.00 I would advise buying "Conservation of Natural Resources" by Guy-Harold Smith. If you don't have \$6.00--and which of Uncle Sam's hands does have--by all means borrow it from the USDA Library, Albuquerque Branch.

Designed along text book lines the volume does not have the wealth of statistics the dyed-in-the-wool researcher might like perhaps but it covers the whole field of resource conservation, organic and inorganic alike, and does it in a thoroughly workmanlike manner.

Actually, the book is the work of a number of specialists, including Guy-Harold Smith who put the pieces together, and fortunately the editor did not attempt to reduce the various writings to the dead level of a uniform style. Thus the readability of the work is elevated to around the 9th power of that of similar compendiums.

\*Smith, Guy-Harold. CONSERVATION OF NATURAL RESOURCES. Wiley, 1950. 552 p.  
279.12 Sm5

NEW BOOKS

APPLIED SEDIMENTATION, By P. D. Trask, ed. New York, Wiley, 1950. 707 p., illus.  
56.7 T69

This practical handbook was prepared under the direction of the Committee on Symposium on Sedimentation, Division of Geology and Geography, National Research Council. It contains 35 original articles, each prepared by a specialist, on such subjects as sedimentation and highway engineering, landslides, earth dams, permafrost, and beach erosion. A major aim of the book is to present material of mutual interest to the geologist and engineer so that they can cooperate more effectively in their work.

Agricultural engineers, geologists, soil scientists and conservationists will be particularly interested in the chapters on Origin of Soils, by Hans Jenny.-- Principles of Soil Mechanics as Viewed by a Geologist, by C. A. Kays.-- Sedimentation and Ground Water, by F. C. Foley.-- Stream-Channel Control, by S. C. Happ.-- Sedimentation in Reservoirs, by A. S. Fry.-- Problems of Irrigation Canals, by A. R. Golze.-- Effects of Soil Conservation, by C. B. Brown.-- The Problem of Gullying in Western Valleys, by H. V. Peterson.

GRASSLAND HUSBANDRY, by H. I. Moore. 4th ed. London, Allen & Unwin, 1950. 141  
60.1 M78.

"An epitome of all the principal investigations - and they are very numerous which have been carried out on grassland during recent years; but the book is more than that; because it is shot through with the great experience which the author has had in dealing with problems of turf, one reads on unconsciously of the fact that there is concentrated, digested, research-plus-practice. For those who wish to obtain a first rate summary of modern ideas about grassland this book is to be commended." The Field.



## GRASSLAND HUSBANDRY--Continued.

The author is Honorary Reader in Crop Husbandry in the University of Leeds, and has devoted much of his time during the past eighteen years to research in cropping and grassland problems.

HOW TO TURN IDEAS INTO PICTURES, A SIMPLE METHOD OF ILLUSTRATING PUBLICITY AND EDUCATIONAL MATERIALS, by H. E. Kleinschmidt. New York, National Publicity Council for Health and Welfare Services, Inc., 1950. 31 p., illus. 238 K67

Those of you who are doing public relations or information work will want to see this spritely pamphlet. It tells how to acquire the skill of visualizing ideas and how to illustrate your ideas with simple line drawings. There are numerous illustrations and examples and the style is readable and informal.

HYDROLOGY; THE FUNDAMENTAL BASIS OF HYDRAULIC ENGINEERING, by D. W. Mead. 2d ed. rev. and enl. New York, McGraw-Hill, 1950. 728 p., illus. 292 M46H Ed. 2

A comprehensive treatment of hydrology written mainly from the viewpoint of the hydraulic engineer, but containing much information useful in other engineering fields as well. In this first revision in thirty years much new data has been added and other important changes have been made. New material has to do with such topics as evaporation theory, drought, artificial rainmaking and the application of probability theory to hydrology.

IRRIGATION PRINCIPLES AND PRACTICES, by O. W. Israelsen. 2d ed. New York, Wiley, 1950. 405 p. 55 Is7

This is a basic presentation of principles and practices in water measurement, conveyance, and pumping. It describes modern irrigation methods, implements, and structures that are important in the efficient and economic use of water in irrigation.

The book reflects the progress made in the field since 1932. Special attention is given to the efficient conveyance of water and its application to, and storage in, soils of arid regions as well as information concerning the perpetuation of arid-region agriculture. New material on drainage is added emphasizing the necessity for, and the methods of, draining irrigated lands. The social and administrative aspects of irrigation are covered with a view to the need in both arid-climate and humid-climate areas.

MOISTURE REQUIREMENTS IN AGRICULTURE; FARM IRRIGATION, by H. B. Roe. New York, McGraw-Hill, 1950. 413 p., illus. 55 R62

A guide to engineering, soil-science relationships, crop-type relations, and irrigation farm management. Gives the water requirements of different types of crops and methods of meeting those requirements efficiently. Following a chapter on general considerations there are chapters dealing with sources and disposition of soil moisture, flow and measurement of water, interrelations of irrigation and drainage, the fundamental principles of irrigation and problems of agriculture under it, time of irrigation, use of water, irrigation methods, structures and works for the farm, pumping etc.

WATER, LAND AND PEOPLE, by Bernard Frank and Anthony Netboy. New York, Knopf, 1950. 331 p., illus. 292 F85

"As we look back upon it, land mutilations is one of the greatest tragic facts in our history." This sentence is the theme of this thought-provoking report on our fast dwindling water resources, loss of irreplaceable topsoil by erosion, and the dire consequences we are sure to face unless more constructive steps along the lines of conservation in all its phases are undertaken at once. The authors state the problem, offer concrete solutions and outline the costs. Voluminous references are given on pages 303 - 329.

WESTERN STOCK RANCHING, by M. H. Saunderson. Minneapolis, Univ. of Minn. Press, 1950. 247 p., illus. 60.1 Sa8

Successful management of a stock ranch today requires a thorough, specialized knowledge of the land, the livestock, and the financial methods involved. This facts-and-figures study by an expert with long experience as a range economist deals with the working problems of sheep and cattle ranching and provides authoritative information on how to operate a ranch profitably.

Ranching as a business is analyzed in terms of markets, prices and income. Ranch appraisal, range management and procedures in the use of government lands are discussed. Photographs, tables, sample forms, a list of common and botanical names of range plants, and a bibliography add to the usefulness of the book.

WOOD PRODUCTS FOR FERTILIZER. Northeastern Wood Utilization Council Bul. 32, 53 p., illus. New Haven, Conn., 1950. 99.9 N819

Contents.- Fertilizer Requirements of the Northeast, by J. S. Chucks.- Wood Ashes as a Fertilizer, by H. A. Lunt.- The Use of Sawdust, Shavings and Superphosphate with Dairy Manure, by A. H. Midgley.- Comparisons of Sawdust and Wheat Straw for Bedding, by J. W. White.- The Utilization of Waste Bark, by R. G. Fuller and others.- Action of Soil Bacteria on Wood Products, by Charles Thom.- The Use of Lignin in Potato Fertilizer, by Stuart Dunn.

#### PERIODICAL NOTES

Down to Earth - A Review of Agricultural Chemical Progress has been added to our periodical list. It is published quarterly by the Dow Chemical Company. The Winter, 1950 issue has a number of articles on the chemical control of weeds. Let us know if you wish to see this periodical on circulation.

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The January 1951 issue of the News for Farmer Cooperatives is a special edition which sums up the development of farmer cooperatives in the first half of the 20th century, and points out some possible developments in the future.

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AN INTRODUCTORY BIBLIOGRAPHY OF RANGE MANAGEMENT IN WYOMING is the title of Wyoming Range Management Issue No. 27. Other recent titles in this series are: THE POISONOUS LICHEN, PARMELIA MOLLISCUOLA, No. 28 and ON STOCKWATER DEVELOPMENT IN WYOMING, No. 29. If you wish to see Wyoming Range Management regularly, it is issued monthly, notify the library.



## NEW BULLETINS

### AGRICULTURAL ECONOMICS

- HARRIS, M. D., THARP, M. M. and TURNER, H. A. Better farm leases. USDA Farmers' Bul. No. 1969, 42 p. Rev. 1950. 1 Ag84F
- PINGREY, H. B. Farm income possibilities in the Pecos Valley, New Mexico. N. M. Agr. Exp. Sta. Press Bul. 1042, 33p. State College, 1950. 100 N46Sp
- STEPHENS, W. P. Farm incomes in the Mesilla Valley, New Mexico 1946-49. N. M. Agr. Exp. Sta. Press Bul. 1043, 37 p. State College, 1950. 100 N46Sp
- U. S. BUR. OF AGR. ECON. Livestock on farms and ranches on January 1. Number, value, and classes--1920-39 by states. USDA Sta. Bul. No. 88, 103 p. 1950. 1 Ag84St

### AGRICULTURAL ENGINEERING

- ALLEN, W. S., MOORE, W. J. and WILLIAMS, J. C. Foultry yard equipment. Texas Agr. Ext. Serv. Bul. B-71, 15 p. College Station, 1950. 275.29 T312B
- HEYWANG, S. W. Plans for brooder house with shutters. U. S. Bur. of Animal Industry A.M.D. No. 131, 4 p., illus. 1950. 1.9 An52Ah
- LOUGHARY, I. H., WHITE, R. G. Planning your dairy barn. Wyom. Agr. Ext. Serv. Circ. 112, 26 p. Laramie, 1950. 275.29 W99c
- MILLER, H. F. and ELLWOOD, L. E. Storage of cotton seed for planting purposes. Texas Agr. Exp. Sta. Prog. Rpt. 1262, 2 p. College Station, 1950. 100 T31Pr
- PETTIS, A. M. Planning farm wiring. Florida Ext. Circ. 93, folder. Gainesville. 1950. 275.29 F66C
- PLAN FOR ELECTRICITY. Tenn. Agr. Ext. Serv. Pub. No. 318, 31 p. Knoxville, 1949. 275.29 T25
- TRENARY, O. J. and SANDHOUSE, H. A. Loafing sheds and corrals for dairy cows. Colo. Ext. Serv. Bul. 407-A, 12 p. Fort Collins, 1949. 275.29 C71B

### CROPS

- AAMODT, O. S. Report of the twelfth Alfalfa Improvement Conference, July 31 - August 2, 1950. Lethbridge, Alberta, Canada, U. S. Bur. of Plant Industry, Soils and Agr. Eng. 1950. 78 p. 1.9 P691Rep
- A HANDBOOK OF PEANUT GROWING IN THE SOUTHWEST. Texas Agr. Exp. Sta. Bul. 727 and Okla. Agr. Exp. Sta. Bul. B-361, 31 p. Stillwater, Okla., 1950. 100 Ok4B
- LARSON, C. A., VIETS, F. S., and LEAMER, R. W. Field corn production on the Umatilla Irrigation Project. Oregon Agr. Exp. Sta. Bul. 480, 16 p. Corvallis, 1950. 100 Or3b
- LEDING, A. R. Cotton spacing experiment on land infected with verticillium wilt. N. M. Agr. Exp. Sta. Press Bul. 1038, 3p. State College, 1950. 100 N46Sp

## ENTOMOLOGY

- APF, B. A. and EVERLY, R. T. Insecticide dusts to control the clover root borer and the meadow spittlebug. U. S. Bur. of Ent. and Plant Quar. E-811, 8 p. 1950. 1.9 En83
- EWING, K. P. and PARENIA, C. E., JR. Early-season application of insecticides on a community-wide basis for cotton-insect control in 1950. U. S. Bur. of Ent. and Plant Quar. E-810, 8 p. 1950. 1.9 En83
- FAULKNER, L. R. New Mexico cotton insects of economic importance. N. M. Agr. Exp. Sta. Press Bul. 1039, 5 p. State College, 1950. 100 N46Sp
- FAULKNER, L. R. Thrips of economic importance in the Mesilla valley of New Mexico. N. M. Agr. Exp. Sta. Press Bul. 1037, 3 p. State College, 1950. 100 N46Sp
- WALKDEN, H. H. Cutworms, armyworms and related species attacking cereal and forage crops in the Central Great Plains. USDA Circ. No. 849, 52 p., ref. 1950. 1 Ag84C

## HOME ECONOMICS

- BARTON, M. B. Make your sewing machine work for you. Pa. Agr. Ext. Serv. Circ. 366, 9 p. State College, 1950. 275.29 P38C
- SMITH, C. C. Useful articles from your needle. Maine Ext. Bul. 393, 16 p. Orono, 1949. 275.29 M231B
- TRESSLER, D. K., Ed. Some aspects of food refrigeration and freezing. Food and Agr. Organ. of the United Nations, FAO Agricultural Studies No. 12, 204 p. Washington, D. C., 1950. 28 F73

## HORTICULTURE

- BUTTERFIELD, H. M. Rose Culture in California. Calif. Agr. Ext. Serv. Circ. 148, 43 p. Berkeley, rev. 1950. 275.29 C12C
- EMSWELLER, S. L. Growing annual flowering plants. USDA Farmers' Bul. No. 1171, 26 p. Rev. 1950. 1 Ag84F
- HILDRETH, A. C. Ornamental hedges for the Central Great Plains. USDA Farmers' Bul. No. 2019, 25 p. 1950. 1 Ag84F
- JACOB, H. E. and WINKLER, A. J. Grape growing in California. Calif. Agr. Ext. Serv. Circ. 116, 80 p. Berkeley, rev. 1950. 275.29 C12C

## LIVESTOCK & POULTRY

- BIRD, H. R. Recent developments in poultry feeding. U. S. Bur. of Animal Industry A.h.D. No. 133, 5 p. 1950. 1.9 An52Ah
- BLACK, W. A. and MCCOMAS, E. W. The beef calf; its growth and development. USDA Farmers' Bul. No. 1135, 26 p. Rev. 1950. 1 Ag84F



LIVESTOCK & POULTRY--Continued.

- BURLESON, R. E. and LEIGHTON, R. E. Raising dairy calves. Texas Agr. Ext. Serv. B-178, 12 p. College Station, 1950. 275.29 T312B
- COOK, C. W. and HARRIS, L. E. The nutritive content of the grazing sheep's diet on summer and winter ranges of Utah. Utah Agr. Exp. Sta. Bul. 342, 66 p. Logan, 1950. 100 Utlb
- JORDAN, R. M. and WEAKLY, R. Feeding Dakota lambs. Results of feeding trials at the Newell Field Station. S. D. Agr. Exp. Sta. Bul. 403, 7 p. Brookings, 1950. 100 So82b
- MOORE, W. J. and WILLIAMS, J. C. Broiler production. Texas Agr. Ext. Serv. C-277 7 p. College Station, 1949. 275.29 T312C
- MORRILL, C. C. and LINK, R. F. X-Disease (Hyperkeratosis) of cattle in Illinois. Ill. Ext. Serv. Circ. 656, 8 p. Urbana, 1950. 275.29 IL6C
- RECENT SUPPLEMENTAL INFORMATION ON POTATO FEEDING. U. S. Bur. of Animal Industry A.H.D. No. 129, 8 p. 1950. 1.9 An52Ah
- SWETT, W. W., and others. Effectiveness of penicillin in eliminating mastitis infections in the Bureau of Dairy Industry herd. USDA Tech. Bul. No. 1027, 22 p. ref. 1950. 1 Ag84Te
- TEMPLETON, G. S. and KELLOGG, C. E. Rabbit production. USDA Farmers' Bul. No. 1730, 58 p. Rev. 1950. 1 Ag84F
- WEAVER, G. S. Newcastle disease. S. D. Agr. Ext. Serv. Circ. 123, folder. Brookings, 1949. 275.29 So82C

RANGE & PASTURE

- ADAMS, M. W., ROSS, J. G., WORZELLA, W. V. and HUME, A. W. Grasses and legumes for South Dakota. S. D. Agr. Exp. Sta. Circ. 81, 15 p. Brookings, 1950 100 So82C
- COOK, C. W. and HARRIS, L. E. The nutritive value of range forage as affected by vegetation type, site, and stage of maturity. Utah Agr. Exp. Sta. Bul. 344, 45 p. Logan, 1950. 100 Utlb
- HODGSON, R. E. Dairy farming with grassland crops. U. S. Bur. of Dairy Industry BDI-Inf-113, 7 p. 1950. 1.973 D4B34
- LEMMON, P. E., HAFFENRICHTER, A. L. and MADSON, B. A. Cucamonga brome, a new grass for covercropping. Calif. Agr. Exp. Sta. Circ. 401, 7 p. Berkeley, 1950. 100 Cl2Sc
- LIVESAY, E. A., HENDERSON, A. C. and VANLANDINGHAM, A. A. Grass silage. W. V. Agr. Ext. Serv. Pub. No. 1, folder. Morgantown, 1950. 275.29 W522M
- MANNING, REG. Go to grass. USDA PM-103, folder. 1950. 1 Ag84Fro

## RANGE & PASTURE--Continued.

- PIETERS, A. J., HENSON, P. R., ADAMS, W. L. and BARNETT, A. F. Sericea and other perennial lespedezas for forage and soil conservation. USDA Circ. No. 863, 48 p., ref. 1950. 1 Ag84C
- RANCH DAY, OCTOBER 9, 1950. Las Cruces, N. M. Ext. Serv., Southwestern For. and Range Exp. Sta., 1950. 26 p. 1.9622 S33o31
- SMITH, R. M., POHLMAN, G. G., SCHALLER, F. K. and BROWNING, D. R. Pastures improved with tillage-treatment-seed. W. V. Agr. Exp. Sta. Bul. 327, 43 p. Morgantown 1947. 100 W52B
- TALBOT, M. W. Indicators of southwestern range conditions. USDA Farmers' Bul. 1782, 36 p. Rev. 1947. 1 Ag34F
- THOMAS, R. C. Microbiology of silage with special reference to grass-legume mixtures. Ohio Agr. Exp. Sta. Research Circ. 2, 19 p. Wooster, 1950. 100 Ch3R
- VAN ALSTINE, E. and MACDONALD, H. Sudan grass for pasture. Cornell Ext. Bul. 798 8 p. Ithaca, N. Y., 1950. 275.29 N48E

## SOIL CONSERVATION

- HARPER, H. J. and BRENSING, O. H. Deep plowing to improve sandy land. Okla. Agr. Exp. Sta. Bul. B-362, 28 p. Stillwater, 1950. 100 Ok4B
- JOHNSON, C. Stubble-mulch farming on wheatlands of the Southern High Plains. USDA Circ. No. 860, 18 p. 1950. 1 Ag84C
- STALLINGS, J. H. Abstracts of recent published material on soil and water conservation. USDA FA-143, 66 p. 1950. 1 Ag84Pro
- YOUR DIVERTED ACRES. Texas Agr. Ext. Serv. C-278, 7 p. College Station, 1950. 275.29 T312c

## SOILS & FERTILIZERS

- HARPER, H. J. and STOUT, O. E. The relation of soil texture to soluble salt accumulation in 29 irrigated soils in Oklahoma. Okla. Agr. Exp. Sta. Tech. Bul. No. T-39, 27 p. Stillwater, 1950. 100 Ok4T
- HARPER, H. J. and STOUT, O. E. Salt accumulation in irrigated soils. The prospect in Oklahoma. Okla. Agr. Exp. Sta. Bul. No. B-360, 14 p. Stillwater, 1950. 100 Ok4B
- NISSEN, O., MEYER, H. A. and RICHER, A. C. Trends and variations in yields from the Jordan fertility plots. Pa. Agr. Exp. Sta. Bul. 533, 18 p. State College, 1950
- SILKER, T. A., CRANE, L. L. and SMITH, J. C. Effects of fertilizers and seeding on the establishment of grazed firebreaks. Texas Agr. Exp. Sta. Prog. Rpt. 1247, 5 p. College Station, 1950. 100 T31Pr

Marion W. Dorroh, Librarian





